

From owner-qrp-1@Lehigh.EDU Sat Apr 27 22:33:34 1996
From: Steven Wilson <randyw@crl.com>
Subject: [7756] 10 meters and QRP
Message-ID: <Pine.SUN.3.91.960426204049.24900A-100000@crl13.crl.com>

Recently there was a thread about 10 meters. I was surprised that someone did not bring up the low power 10 meter FM operation.

It is easy to convert a CB radio to 10 meter FM. K9EID even wrote a book about it, "The 10 Meter FM Handbook". He also sold a simple FM detector kit for converting the old 28 channel CB radios to amateur 10 meter FM. The 28 channel CB's still show up for about \$5 at the local hamfest.

There are many 10 meter repeaters around the country and it is often possible to work both europe and asia via these repeaters with a simple 2 or 3 watts from a converted CB radio.

The primary calling frequency is 29.6 mhz with 29.5 as the secondary frequency. Also look at the following pairs .52/62, .54/.64 and .56/.66

QRP levels are the rule and not the exception. By monitoring 29.6 mhz you will often find that the band is open and enjoy a qso with an european or dx station.

So next time you see a old CB check to see if it uses the 02A PLL, if so it is an easy conversion to amateur 10 meter FM use. Most use a Cybernet board that have three xtals (10.240,11.806,10.695) and the 02A. CYBERNET was the largest Japan manufacturer of CB units.

Look for the following CB's.

Hy Gain #1A,2A,3A,4A,9A
Kraco 2310b,2320B,2330B,4010B,4020B
Lafayette HB 650,750,950,Micro 223
Pierce Simpson Micro 223
Midland 13-882C,13-857B,13-888B

Also watch for CB's built for sale in Great Britian. They use FM for CB. Southern Midlands Communications is just a simple crystal change.

So have some fun as the sun spot cycle starts back up with 10 meter FM. With squelch the radio can sit for days on the operating table and suddenly come alive when tuned to 29.6 mhz.

de stan ak0b

From owner-qrp-1@Lehigh.EDU Sat Apr 27 22:33:34 1996
From: prvalko <prvalko@Oakland.edu>
Subject: [7760] 49er notes
Message-ID: <Pine.OSF.3.91.960427075438.8416A-1000000@saturn.acs.oakland.edu>

Gang,

After making a couple Qs on the 49er (as pictured at NorCal, Qrp-1, and my website(s)), I decided to screw with a good thing...

I firstly replaced the 150pf cap (C20?) with a 180pf npo. That did not seem to do much of anything.

I then wound 8 turns of about 28ga wire around a T-37-43 (I think) toroid to replace RFC1.

I MUST say, the BC QRM disappeared... but on the other hand, they may not have been broadcasting at 1am (esdt).

What I do notice is that the cap that "tunes" RF output/input doesnt seem to do a darn thing anymore! I had a pretty sharp peak with the original components. I still get 250mw out and the receive seems REALLY weak.

Comments appreciated.

73! =paul= wb8zjl

ObFoxHunt - Chuck, thanks for the fox certificate! Did you REALLY have to pay \$.42 to mail each and every one of them??!!

From owner-qrp-1@Lehigh.EDU Sat Apr 27 22:33:34 1996
From: KE3FL@delphi.com
Subject: [7766] Battery Charger/Eliminator
Message-ID: <01I41Q3858TU9AQT4@delphi.com>

From: adams@chuck.dallas.sgi.com (chuck adams)
Subject: [7611] Gel/Cell Charger Alert

Gang,

Last Saturday I was at work and on the way home stopped at Altex here in Dallas.

They had a charger for \$12.95, so in the spirit of trying anything once, I thought what the hey>

Here is what the package says:

EMCO PS-612

6/12 Volt DC Batter Charger/Eliminator

Ideal for charging ni-cad, gel cell or lead acid batteries

Input: 117 VAC 60Hz

Output: 6V/12VDC 750mA

Regulated with 30" connecting cable with alligator clip

Emco Division
Components Specialities Inc.
Lindenhurst, NY 11757

Cost \$12.95 from Altex

Well, last night I measured about 12.1V on the 20Ahr Gates cells, so I thought it'd be a good test on these puppies.

Inadvertantly I left the R/S digital multimeter on over night. So this morning as I passed by the desk I saw that it was on and display was active so I went over to shut it off. Imagine my surprise when I saw a reading of 15.75V DC!!!

No need to tell you that I immediately unplugged the charger. Don't know what I'll do, either take it back for refund or put a resistor in series to reduce the effect. I surely do not want to have gel/cells subjected to over voltage for any period of time.

Cells are back to 12.83V with GM-30 online, so no damage done, but I hate to think what would have happened if I had not attended to them for a day or so. :-(Bummer.

FYI

Chuck & gang:

recap from Chuck:

[[EMCO PS-612

6/12 Volt DC Batter Charger/Eliminator

Ideal for charging ni-cad, gel cell or lead acid batteries

Input: 117 VAC 60Hz

Output: 6V/12VDC 750mA

Regulated with 30" connecting cable with alligator clip

Emco Division

Components Specialities Inc.

Lindenhurst, NY 11757

Cost \$12.95 from Altex]]

The type of "charger" you picked up looks to me to be the standard voltage/current battery eliminator. It can be used as a charger but one does need to check it from time to time. These eliminators do NOT have circuitry in them to either limit voltage or current, so, if your battery is very low, say 9 volts, the charger will pump out as much current as it can (more than the 300 ma given at 12.1 volts) and when the battery is fully charged (since there is no circuit to check for this condition) it puts out a smaller current at a higher voltage.

Basic design: transformer, diodes, filter, and that's all.

Good-luck Chuck. I use this type of "charger" all the time, I use a small lamp in parallel and if picked just right it will draw the excess current off when the battery is fully charged.

Phil/KE3FL

: -)

From owner-qrp-1@Lehigh.EDU Sat Apr 27 22:33:34 1996

From: Brian.S.Allen%NCAOCISD@smtpgw.aoc.state.nc.us

Subject: [7758] CIE

Message-ID: <m0uD4Rv-0001ErC@aoc.state.nc.us>

IS ANYONE FAMILIAR WITH CLEVELAND INSTITUTE OF ELECTRONICS??

BRIAN KB4MNG

QRP-WAS ARRL, HHH-#605, 3905 WAS, OMISS WAS-125

From owner-qrp-1@Lehigh.EDU Sat Apr 27 22:33:34 1996
From: robert fowle <hammarlund@voyager.net>
Subject: [7765] FS: COLLINS & NATIONAL
Message-ID: <199604271922.PAA24522@vixa.voyager.net>

Have the following for sale:

Collins KWM-2 516F2 works but AC switch needs replaced \$ 450.00
Collins 51S-1 with KWM2 cabinet works fine. \$1,000.00
National NCL-2000 Amp with spare set 8122's \$ 700.00

all above belong to my friend. all work.
price's include shipping.
if interested contact me via e-mail
hammarlund@vixa.voyager.net

=====]-[->
Robert Fowle KC8DBC
The HAMMARLUND Historian
Ph. voice or fax 517-789-6721
1215 Winifred
Jackson, Mich. 49202-1946
E-mail at: hammarlund@vixa.voyager.net
HAMMARLUND LITERATURE WANTED
WANTED: MANUALS FOR ANY MAKE RADIO EQUIPMENT
=====]-[->

From owner-qrp-1@Lehigh.EDU Sat Apr 27 22:33:34 1996
From: John Shuster <jshuster@olympic.net>
Subject: [7763] HW-8 Transmit Offset
Message-ID: <199604271719.KAA29438@oly.olympic.net>

-- [From: John Shuster * EMC.Ver #2.5.02] --

To All:

When I'm tuning in on another station to respond to a CQ, I have to tune the signal's tone very high on the upper side band for him to hear me and return my call. Here's what happens with a simple test. I transmit with my TS-850s and tune its signal to about 700hz on the HW-8. When I transmit with the HW-8, the received tone in the 850 is too low to hear. My HW-8 is

transmitting much lower than it is hearing.

I have all the documentation and the schematic for my HW-8. What coil or cap should I tune to bring the receive and transmit frequencies closer together? There's no transmit offset adjustment mentioned in the alignment section.

Thanks,

John Shuster
KC7CKP

--

John Shuster QRP at the foot of the Olympics
KC7CKP in little Port Orchard, WA

From owner-qrp-l@Lehigh.EDU Sat Apr 27 22:33:34 1996
From: KE3FL@delphi.com
Subject: [7767] J-pole equations, program, & info
Message-ID: <01I41RQU8FHA9BZX2C@delphi.com>

To ALL at QRP-L:

The J-pole equations I use in my program are a combination of those in QST September 1994, pg. 61 & 62 in an article by Jim Reynante/KD6GLF and those in an article by John S. Belrose/VE2CV also published in QST in April of 1982.

I programmed these equations into the present program which allows for different wire velocity factors, and for display of the lengths in either English or Metric. The calculation results can also be sent to a printer by setting the printer toggle switch to the ON position (Tools Menu).

I have also included a change calculation that computes the expected change in frequency due to a length change. Remember: cutting the antenna increases the frequency (decreasing the wavelength) and adding length to the antenna decreases the frequency increasing the wavelength). The equations I use are:

factor = 11811 (English, inches) or 30000 for (Metric, cm)
delta = 0.25, .5, 1.0, 10, 20", or .5, 1, 2, 25, or 50 cm
The size of the recommended cut, dependent on frequency.

lambda = (factor/freq)
stub = vf * lambda / 4 (vf = .81 - .85 for twin-lead)
radiator = vf * lambda / 2
tap = lambda * .0155

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gap = .25
total = stub + radiator
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changes = freq - [(vf * factor/4)/(stub+delta)]  MHz per delta cuts
(My program is available from Circle Software, PO Box 74, Mt Airy MD
 21771 for $12, + md state tax + $3 shipping.)
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One last thought. If you already know the size of the antenna for 52 MHz simply scale it for 50.125 MHz as in:

$$(SIZE * 52)/50.125 = \text{New size}$$

Example: SIZE = 141.4 ft then New size = 146.7 ft.
(The info from my program below is no better than this!)

Using a velocity factor of 0.83 my program gives:

Freq MHz	Stub in	Radiator in	Total in	Tap in	Gap in
52	47.1	94.3	141.4	3.5	.25
50.1	48.9	97.8	146.7	3.7	.25

I hope this helps. 72 & 73 de KE3FL/Phil
:-)

From owner-qrp-1@Lehigh.EDU Sat Apr 27 22:33:34 1996
From: bruce muscolino <w6toy@pop.erols.com>
Subject: [7771] My email address
Message-ID: <199604280209.WAA23915@smtp1.erols.com>

Friends,

BRUCE3900@DELPHI.COM is no more -- w6toy@erold.com lives.

Long live w6toy@erols.com

Please revise your address books accordingly, and if you send mail to Delphi for me don't be surprised if it bounces!

73,
Bruce -- w6toy/3
QRP Really! (c)
--
Bruce -- W6TOY/3

QRP, Really! (c)

From owner-qrp-l@Lehigh.EDU Sat Apr 27 22:33:34 1996
From: Jerry <jfelts@rapidcity.com>
Subject: [7757] NorCal 40A HELP!
Message-ID: <199604270621.AAA29047@host1.rapidcity.com>

I just built a 40A and all signals come in weak. I'm sure I've done the alignment right but signals are really weak and I really have to strain to hear them. I did notice by putting my finger on T1 everything comes in just like I want it to. Only thing is working someone and holding my finger on T1 is a pain in the neck. Can anyone give me some hints on what to check? In the meantime I'll keep on making qsos with the rig with my finger on T1.

From owner-qrp-l@Lehigh.EDU Sat Apr 27 22:33:34 1996
From: kf8at@detroit.ampr.org
Subject: [7762] QRP at WalkAmerica - update!
Message-ID: <5935@detroit.ampr.org>

Gang,

Here is some more info on the USECA QRP stations that will be operating during the March of Dimes WalkAmerica on Sunday, 28 April.

At the moment, there are 4 stations planned, these are to operate on 17, 20, 30, and 40 meters, and will be listening in the usual QRP freqs when possible. The times that these stations will be operating will be from 8 am to 2 pm EDT. Again, that is on Sunday, 28 April 1996.

Have fun and good hunting!

72,
Floyd, KF8AT
QRP-L #392

From owner-qrp-l@Lehigh.EDU Sat Apr 27 22:33:34 1996
From: kf8at@detroit.ampr.org
Subject: [7761] QRP at WalkAmerica!
Message-ID: <5933@detroit.ampr.org>

For those adventuresome few that don't have anything to do on this the traditional Dayton weekend; why not try dialing some of the QRP calling freqs and listen for the USECA volunteers here in the Detroit area that are helping with the March of Dimes WalkAmerica and will set up QRP stations along the path to help pass the time and promote Ham Radio and QRP! USECA is one of the largest and most active clubs in the Detroit area and will be sponsoring an attempt at the largest QRP Field Day operation in history! This is one of the "tune ups" for June!

So, if you are having Dayton withdrawals, tune around on the bands for some QRP activity!

72,
Floyd, KF8AT
QRP-L #392
President, USECA

From owner-qrp-l@Lehigh.EDU Sat Apr 27 22:33:34 1996
From: Jerry Parker <jparker@fix.net>
Subject: [7770] QRP to the Field, the unconventional approach.
Message-ID: <199604280127.SAA23937@fletch.fix.net>

To many things going on here in my family to get ready to go.

Envious of those who could, yes. Bummed, NO.

Fired up the ole Index Labs QRP+ feeding a 135' inverted Vee fed with
450 ohm feed line.

Worked a few on 40 before breakfast and then spent the day occasionally
wandering in

and out working a few stations.

Even worked a couple on the ole pixie 2(350mws) with 559 sig reports in the
pile.

Went down to 7030kcs with a few stations to rag chew.

Wound up with 37 stations worked.

I had a GREAT time. Got a special treat too. Jim Cates(WA6GER) caught me
on 7040,

first time we have ever worked on CW.

Thanks to all of you who participated and expecially to those who put this contest

together.

I'll be back,,,73'es,,,Jerry...WA6OWR...K

From owner-qrp-1@Lehigh.EDU Sat Apr 27 22:33:34 1996
From: burdick@interval.com (Wayne Burdick)
Subject: [7772] QTTF '96 soap box comments from N6KR
Message-ID: <199604280306.UAA17268@interval.interval.com>

Bob Dyer, KD6VIO (Mr. Wilderness Radio) and I went up to Palo Alto's "residents only" park in the foothills for Qrp To The Field. We got a really late start, and weren't set up until nearly 1:30PM PST. But what the heck--we were there to have fun and catch some rays (from all portions of the spectrum). And the weather was excellent, by the way.

Bob's full-wave loop performed well, as did my vertical. We actually ran two stations most of the time, with the antennas only 20' apart, and the rigs were both Sierras. Another rig that saw some air time was my Safari-4, the 4-bander that appeared in QEX. Nice to dust off the old gear once in a while!

Comparing the two antennas on 40m we found that the vertical was much quieter (less noise), and performed as well as the loop on all signals except those in the preferred directions of the loop. The loop was only 5' off the ground, however.

Best DX: HP1AC/QRP on 20 meters. We should send this guy a complimentary subscription to QRPP--a great operator, and it's nice to hear some QRP DX stations for a change. Also notable was local Wes, WA2CRQ, who was racking up the points several miles away using only a '40A and a Ham Stick.

Conditions were fair, not great, but I was happy with my 25 Qs in four hours of operating. :) I'd like to say thanks to NorCal and QTTF organizers for another successful and enjoyable outing--

72,
Wayne
N6KR

From owner-qrp-1@Lehigh.EDU Sat Apr 27 22:33:34 1996
From: Craig LaBarge <74740.3166@compuserve.com>
Subject: [7768] WB3GCK Springs to the Field
Message-ID: <960428003717_74740.3166_EHB127-1@CompuServe.COM>

I worked the contest from one of my usual field locations - French Creek State Park in Elverson, PA. I arrived about 1330Z and was on the air by 1355Z. I was set up in an area that is used for group camping, so I had to pause every now and then and try to explain to kids and other curious passers-by exactly what the heck I was doing there.

The setup this time consisted of my trusty SW-40 (set at 950mW) and an inverted-vee fed with RG-174. I figured that since I came in first place last year with this set up, I had no choice but to use it again. Well, I wound up making about half as many QSOs as last year. Still, it was a lot of fun. Worked a few stations which I recognized from the QRP-L list (WA4OFT, AE4IC, and WA8LCZ come to mind off the top of my head.) I didn't seem to be working too many stations to the north and south of me and that makes it tough here on the east coast. The pipeline to Ohio and Michigan seemed to be wide open, though. There was a lot of activity on 40 early on, but by 1600Z, the QSOs were starting to thin out for me.

The results are: 25 QSOs x 10 (power multiplier) x 4 (field locations) x 3 (homebrew) = 3,000

All-in-all, it was a nice day for operating in the field here in southeastern PA. I hope everyone else had a good day. I can't wait until QAF '96!

73, Craig WB3GCK

From owner-qrp-1@Lehigh.EDU Sat Apr 27 22:33:34 1996
From: Ken Freedman <n1qqvken@iconn.net>
Subject: [7769] Re: 10 meters and QRP
Message-ID: <3182C487.761D@iconn.net>

Steven Wilson wrote:

>

> Recently there was a thread about 10 meters. I was surprised that

> someone did not bring up the low power 10 meter FM operation.
>
> It is easy to convert a CB radio to 10 meter FM. K9EID even wrote a book

Hi Gang. Another excellent source for 10 meter FM gear is old low band business radios like Motorola Micor and GE Master Pro rigs. The high side rigs will go to 6 meters and the low side units will move to 10 meters. Cheap too!

73, Ken

From owner-qrp-1@Lehigh.EDU Sat Apr 27 22:33:34 1996
From: Dick <G0BPS@kanga.demon.co.uk>
Subject: [7759] Re: FDIEM Earlybird's dinner/drinks/etc. 6PM Wednesday
Message-ID: <A7UyFNAL6HfxEw3r@kanga>

George G3RJV, Bill N8ET, myself Dick G0BPS will also be there
Wednesday PM, May join in the fun.

A couple of other Brits may also be there by then...

TTFN de ...
>

Dick Pascoe G0BPS / G0R00

Please send replies ONLY to: Dick@kanga.demon.co.uk

Kanga Products The UK's leading supplier of QRP kits.
<http://ukinternet.com/ham/kanga>

From owner-qrp-1@Lehigh.EDU Sat Apr 27 22:33:34 1996
From: Jerry <jfelts@rapidcity.com>
Subject: [7764] RE:NorCal 40A HELP!!
Message-ID: <199604271923.NAA10168@host1.rapidcity.com>

Ok I goofed its T2 I put my finger to get normal reception. Tns for the
replies and help!!! I'll be checking it out and let you all know the results.

Jerry NR5A